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Sequence listing:

Applicants: Commonwealth Scientific and Industrial Research
Organisation

5 University of Western Sydney (Nepean)
Pig Research and Development Corporation

Title of the Invention: Delivery system for porcine somatotropin

10

Prior Application Number: PP 6556

Prior Application Filing Date: 1998-10-16

15 Number of SEQ ID NOS: 4

15 Software: PatentIn Ver. 2.1

SEQ ID NO: 1

Length: 24

20 Type: PRT

Organism: Homo sapien

Sequence: 1

Met Ala Leu Trp Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu

25 1 5 10 15

Trp Gly Pro Asp Pro Ala Ala Ala

20

30

SEQ ID NO: 2

Length: 72

Type: DNA

Organism: Homo sapien

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Sequence: 2

atggccctgt ggatgcgcct cctgccccctg ctggcgctgc tggccctctg gggacacctgac 60
ccagccgcag cc

5

SEQ ID NO: 3

Length: 666

Type: DNA

10 Organism: Artificial Sequence

Feature:

Other Information: Description of Artificial Sequence: ISS-pST gene
construct

15

Sequence: 3

gctagcatgg ccctgtggat ggcgcctcctg cccctgtgg cgctgctggc cctctggga 60
cctgacccag ccgcagccct cgagatgttt ccagctatgc cactttcttc tctgttcgct 120
aacgctgttc ttccggccca gcacctgcac caactggctg ccgacacaccta caaggagttt 180
gagcgcgcct acatcccgga gggacagagg tactccatcc agaacgcaca ggctgccttc 240
tgcttctcggtt agaccatccc ggcccccaacgg ggcaaggacg aggcccagca gagatcggac 300
gtggagctgc tgccgttttc gctgctgctc atccagtcgt ggctcgggcc cgtgcagttc 360
ctcagcaggg tcttcaccaa cagcctggtg tttggcacct cagaccgcgt ctacgagaag 420
ctgaaggacc tggaggaggg catccaggcc ctgatgcggg agctggagga tggcagcccc 480
cgggcaggac agatccctaa gcaaaccctac gacaaatttg acacaaactt ggcagtgat 540
gacgcgcgtgc ttaagaacta cgggctgctc tcctgcttca agaaggacct gcacaaggct 600
gagacataacc tgcgggtcat gaagtgtcgc cgcttcgtgg agagcagctg tgcttcttag 660
tctaga 666

30

SEQ ID NO: 4

Length: 217

Type: PRT

Organism: Artificial Sequence

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Feature:

Other Information: Description of Artificial Sequence: ISS-pST
peptide sequence

5

Sequence: 4

Met Ala Leu Trp Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu
1 5 10 15

10 Trp Gly Pro Asp Pro Ala Ala Ala Leu Glu Met Phe Pro Ala Met Pro
20 25 30

Leu Ser Ser Leu Phe Ala Asn Ala Val Leu Arg Ala Gln His Leu His
35 40 45

15

Gln Leu Ala Ala Asp Thr Tyr Lys Glu Phe Glu Arg Ala Tyr Ile Pro
50 55 60

20 Glu Gly Gln Arg Tyr Ser Ile Gln Asn Ala Gln Ala Ala Phe Cys Phe
65 70 75 80

Ser Glu Thr Ile Pro Ala Pro Thr Gly Lys Asp Glu Ala Gln Gln Arg
85 90 95

25 Ser Asp Val Glu Leu Leu Arg Phe Ser Leu Leu Leu Ile Gln Ser Trp
100 105 110

Leu Gly Pro Val Gln Phe Leu Ser Arg Val Phe Thr Asn Ser Leu Val
115 120 125

30

Phe Gly Thr Ser Asp Arg Val Tyr Glu Lys Leu Lys Asp Leu Glu Glu
130 135 140

35 Gly Ile Gln Ala Leu Met Arg Glu Leu Glu Asp Gly Ser Pro Arg Ala
145 150 155 160

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Gly Gln Ile Leu Lys Gln Thr Tyr Asp Lys Phe Asp Thr Asn Leu Arg
165 170 175

5 Ser Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Ser Cys Phe Lys
180 185 190

Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys Cys Arg
195 200 205

10 Arg Phe Val Glu Ser Ser Cys Ala Phe
210 215

15